

How to use your
Bell & Howell
AUTO load
8mm
PROJECTOR



finer products through imagination

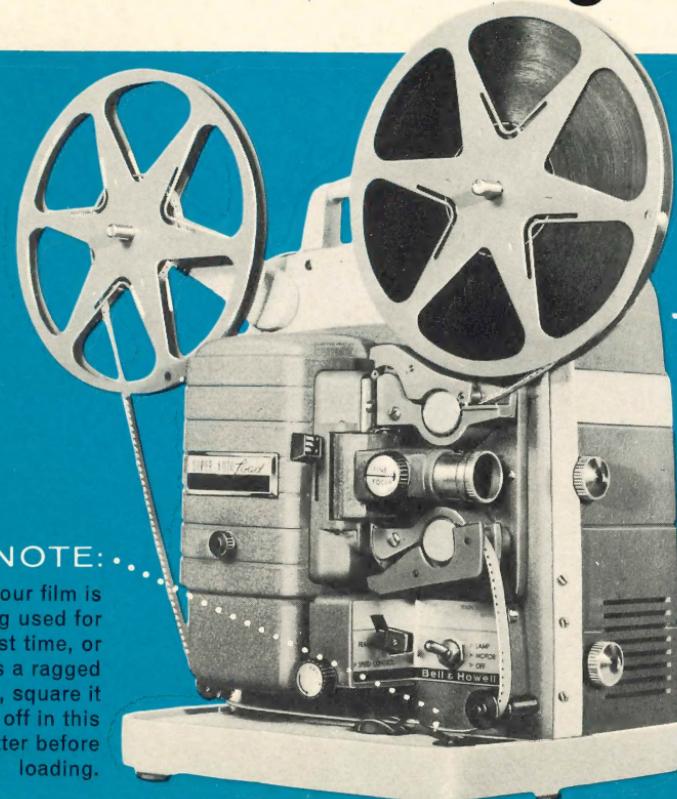
GET ACQUAINTED WITH YOUR AUTO-LOAD PROJECTOR

Open this flap of your instruction booklet. Keep the flap open as you read through the instructions that follow. This will give you a quick reference to all the working parts of your Auto-Load projector. Familiarity with these names before operating your projector will assure complete success at your very first show.

MOVIES ARE EASY TO SHOW WITH YOUR

WHEN YOU FOLLOW THESE **3** SIMPLE STEPS:

AUTO*load*



1

SETTING UP IS FAST AND EASY
Set up your projector and screen. Swing out the reel arms and snap the reels in place.

2

THREADING IS AUTOMATIC
Flip the Direction Lever to "Forward", the Control Switch to "Motor". Press down the upper Loop Former and slip the film into the threading slot. ZIP—the film is threaded automatically.

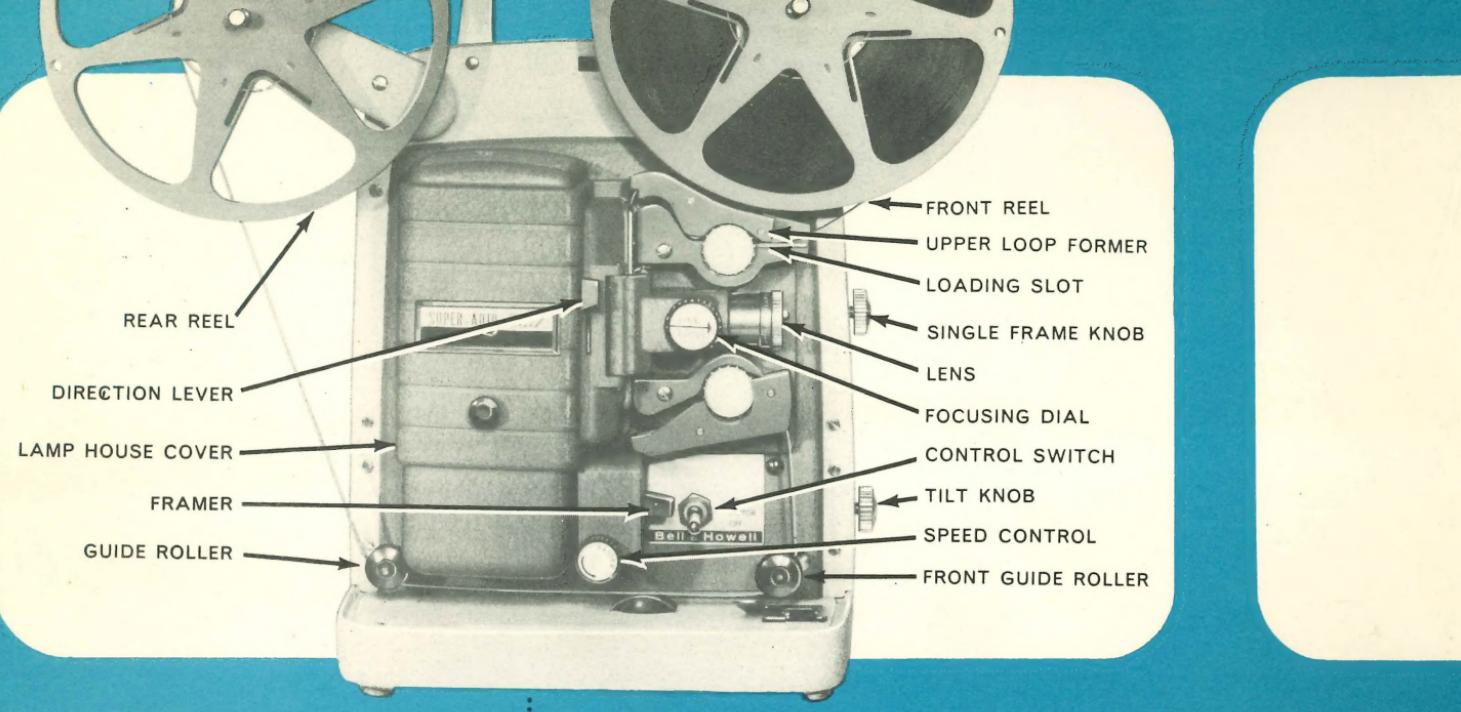
3

SIT BACK AND ENJOY THE SHOW
Run about 2-feet of film through —enough to engage onto rear reel. Flip the Control Switch to "Lamp." Tilt projector and focus lens.

... The following pages give full details on the operation of your projector ...

NOTE:...

If your film is being used for the first time, or has a ragged end, square it off in this cutter before loading.

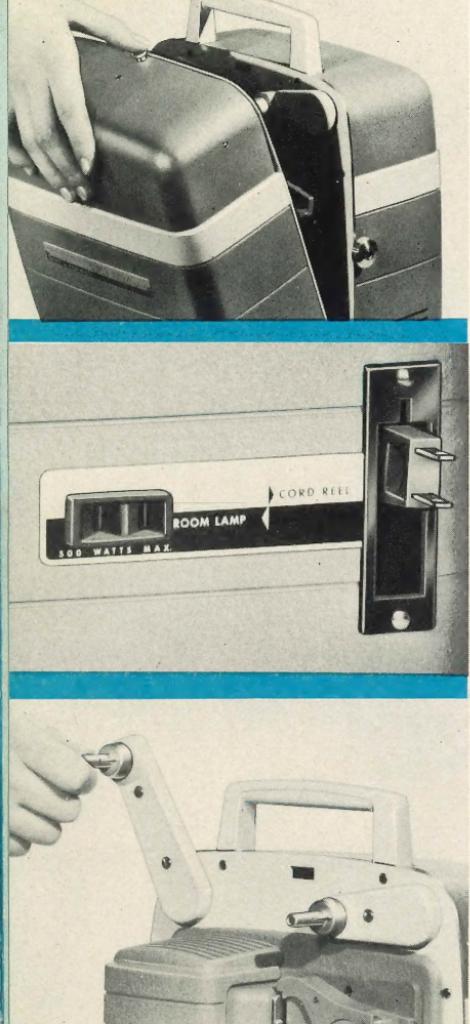


NOTE: Two projectors are described in this booklet. The Auto-Load 363 and the Lumina 370. Both projectors are similar in appearance and operate identically except for the lens, lamp, and splicer on the Lumina 370.

LET'S LOOK AT YOUR **AUTOLOAD** PROJECTOR

Your Auto-Load projector is another remarkable Bell & Howell invention. It's so quick to set up, so simple to operate. In less than 3 seconds it *threads itself automatically*. Now you don't have to open lens gates, thread sprockets, worry about misformed loops. Take a few seconds to familiarize yourself with other outstanding features of your Auto-Load and see why it's the world's easiest to use 8mm projector:

- CRITICALLY SHARP LENS projects your movies in thrilling detail.
- GEAR-DRIVEN REEL ARMS swing out for fast, convenient setup.
- SPEED CONTROL—to speed up or slow down action.
- 400-FOOT FILM CAPACITY for full half-hour shows.
- STRAIGHT LINE OPTICAL SYSTEM provides brilliant illumination.
- REVERSE to repeat favorite scenes.
- CLUTCH for still picture operation.
- LOOP SETTER lets you re-store lost film loops without interrupting your show.
- PERMANENTLY LUBRICATED—never needs oiling.



SETTING UP IS FAST AND EASY

The compact design of your Auto-Load makes it exceptionally easy to set up. To get your show started, just place your projector on a firm stand or table. To open, merely press down on the small button on top of the case and tip the cover off.

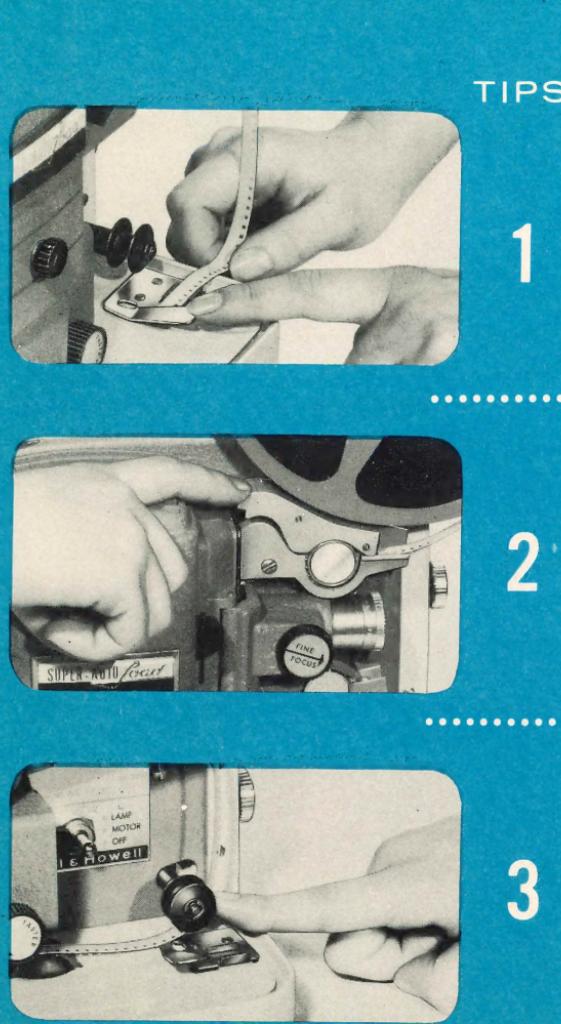
Pull out the line cord and plug it into an outlet supplying 105-130 volt 60 cycle alternating current *only*. To lock the cord at the length you choose, merely press the cord into the cord reel slot as shown in the picture.

Into the Room Lamp Receptacle next to the cord reel, you can plug an ordinary lamp cord plug. When this is done, the bridge lamp or table lamp will turn off automatically when the projection lamp is turned on, and vice versa. This assures you of light in the room immediately preceding and following your show. *The lamp plugged into the Room Lamp Receptacle must not exceed 500 watts.*

Swing up the front and rear reel arms until they snap into the open position. (After you've completed a show, fold the arms down by applying pressure.) Snap the empty reel on the rear reel arm spindle and the full reel on the front reel arm spindle. Your film should unwind from the front reel in a clockwise direction.

Set up your screen and flip the Control Switch to "Lamp" position. If the frame of light is too high or too low, tilt the front of the projector with your left hand. At the same time, loosen the Tilt Knob until the leg drops down. Tighten the knob when the frame of light is centered on your screen. Flip the Control Switch down to turn projector off.

Important: Always start and store your projector with the Direction Lever in the "STILL" position.



TIPS ABOUT AUTOMATIC THREADING

If your film is being used for the first time, or has a ragged end, square off the white leader end in the cutter on the base of the projector.

1

Always press down the Upper Loop Former before inserting film into the threading slot. If the Loop Formers are left open, the film will only thread itself as far as the first sprocket.

2

After the sprockets have automatically threaded themselves as described on the following page, flip the front Guide Roller as you pass the film under it.

3



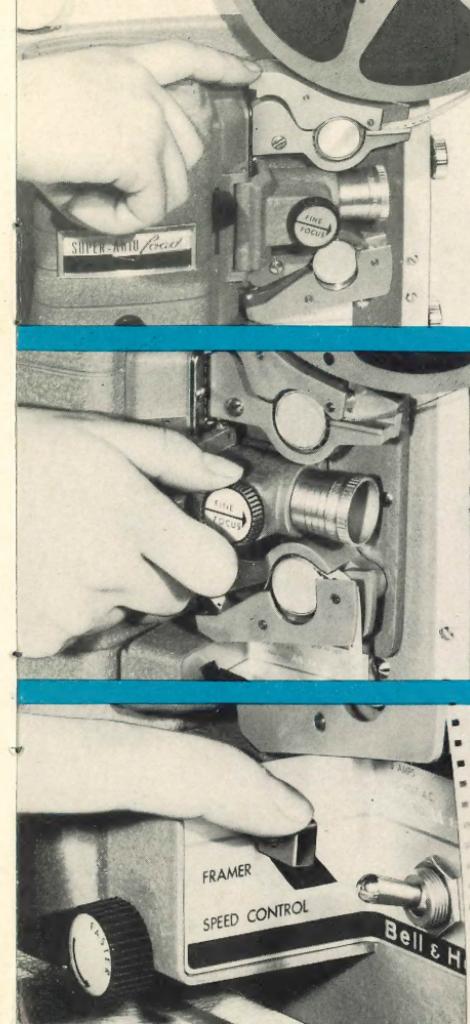
THREADING IS AUTOMATIC... HERE'S ALL THERE IS TO IT . . .

To automatically thread your projector, first flip the Direction Lever to "Forward", the Control Switch to "Motor". Then, depress the Upper Loop Former.

Now slip the film end into the threading slot as shown. The projector does the rest—automatically. Let about 2 feet run through the automatic threading mechanism and turn the Control Switch off.

Lead the film under the front and rear Guide Rollers, up and around the rear reel. (With Bell & Howell reels all you have to do is press the film against the inside of the reel, turn it one revolution and you're ready to show movies.)

Once you've mastered the simple instructions above, you'll be able to completely thread your Auto-Load and engage the film onto the rear reel without stopping the mechanism. As you do this, film tension will trip the front Guide Roller and automatically release the film guides.



AUTOMATIC LOOP SETTER

If your film has a torn perforation, or a poor splice, it may cause your projector to lose its loop. When this happens, you'll hear a noticeable clicking sound and your picture will flutter on the screen. To automatically restore the lost loop without interrupting your show, simply press down the Upper Loop Former and immediately release. (To restore the loop while operating in "Reverse", it is necessary to flip the front guide roller also.) You can reset the loop without turning the projector off.

PUTTING ON A SHOW

With your projector set up, turn off the room lights. Flip the Direction Lever to "Forward" and the Control Switch to "Lamp". Then, focus the lens.

FOCUSING WITH THE AUTO-LOAD 363

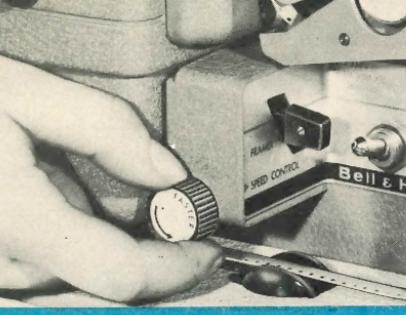
When you're ready to focus your picture on the screen, revolve the lens just beyond the point of sharpest possible focus. Then use the Fine Focus Knob for critical focusing.

FOCUSING WITH THE LUMINA 370

If your picture is out of focus, turn the Focusing Dial clockwise or counterclockwise until your picture is sharp.

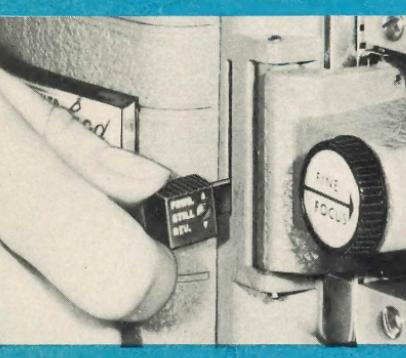
FRAMING

If your picture is cut off at the top or bottom, move the Framer Lever up or down until your full picture appears on your screen.



SPEED CONTROL

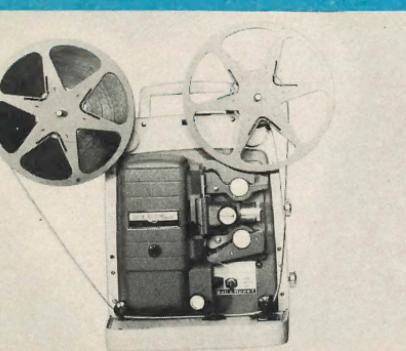
The Speed Control Dial located on the side of your projector lets you speed up, or slow down action on the screen during your show. To increase speed, turn the dial in the direction shown by the arrow. To decrease speed, turn the dial in the opposite direction. Important: Do not adjust Speed Control unless projector is running and Direction Lever is either in the Forward or Reverse position.



STILL PICTURE AND REVERSE PROJECTION

All you have to do to project a still picture with your Auto-Load is push the Direction Lever to the "STILL" position. When projecting still pictures, a safety shutter automatically drops into place to protect your film. If you don't get a picture on your screen, or if the picture is partially blocked, turn the Single Frame Knob slowly.

When you want to reverse action for special effects, or review a scene, just flip the Direction Lever to the "REVERSE" position.



REWINDING

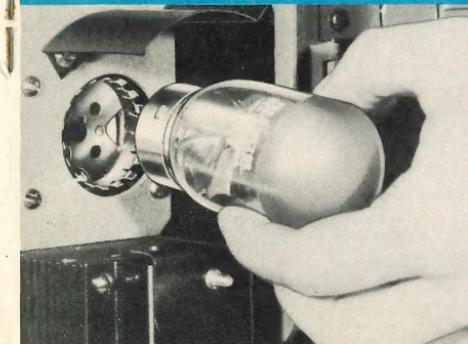
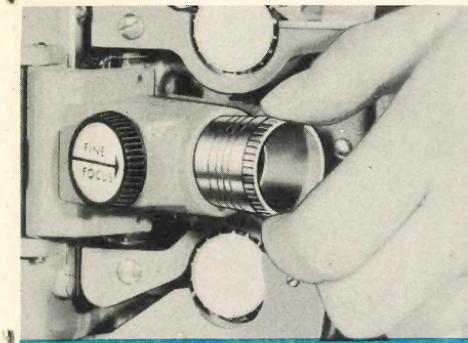
Flip the Control Switch "Off" as the last of your film passes through the projector. To rewind, lead the film from the rear reel, down under the two Guide Rollers at the base of the projector and up onto the front reel. Turn the reel counterclockwise to take up any slack. Place the Direction Lever in "Reverse" and flip the Control Switch to "Motor". Turn the Speed Control in the direction of the arrow for faster rewinding. After your film is completely rewound place the Direction Lever on "Still" for your next show.

MAINTENANCE

Your projector is lubricated at the factory and requires no oiling by you. However, we recommend that it be cleaned and adjusted periodically by the factory, branch office, or one of our approved service stations.

CLEANING THE APERTURE AND FILM CHANNEL

Swing the lens gate out before each showing. With a small brush or a piece of cloth, wipe the aperture and film channel. A rubber ear-syringe is useful for removing any dust or dirt which might accumulate within the upper or lower film guides. All film handling parts of your Auto-Load are recessed, your picture area floats in air—adding extra life to your prize movies.

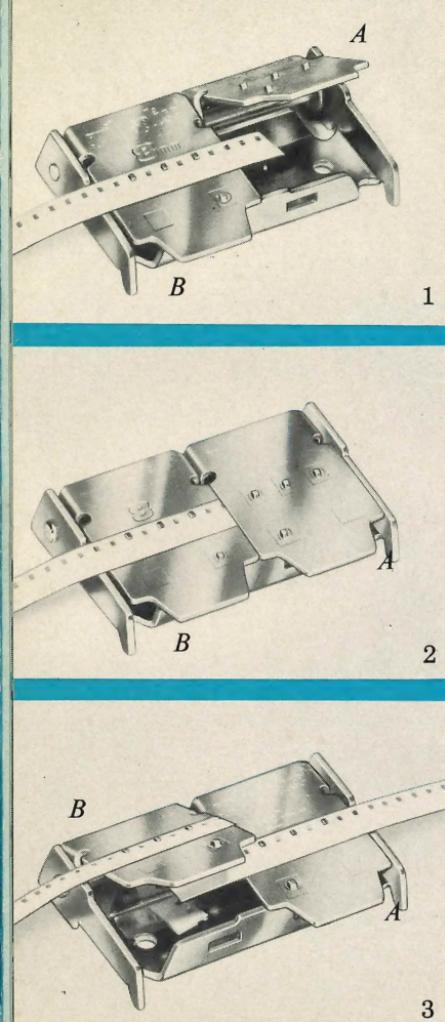


CLEANING THE LENS

Pull out the Focusing Dial on the Auto-Load 363 to release the lens for cleaning. On the Lumina 370, the projection lens merely pulls out. Wipe off the lens with a sheet of lens tissue moistened with a few drops of Bell & Howell Opti-Kleen.

LAMP REPLACEMENT

Loosen the lock screw on the Lamp House Cover. Once the cover is removed, turn the Control Switch to "Motor" and let the projector operate until the lamp is cool enough to handle comfortably. To remove the lamp, grasp the top with your fingers and pull out. The lamp base is similar to that of a radio tube, it is not necessary to twist or turn it to remove. To insert a new lamp, align the center guide pin of the lamp with the lamp socket by rotating the lamp; press in to insert. Only use a (DCA) lamp in your Auto-Load 363. If your projector is the Lumina 370, only use a (DLG) Lamp.



SPLICING FILM WITH LUMINA 370

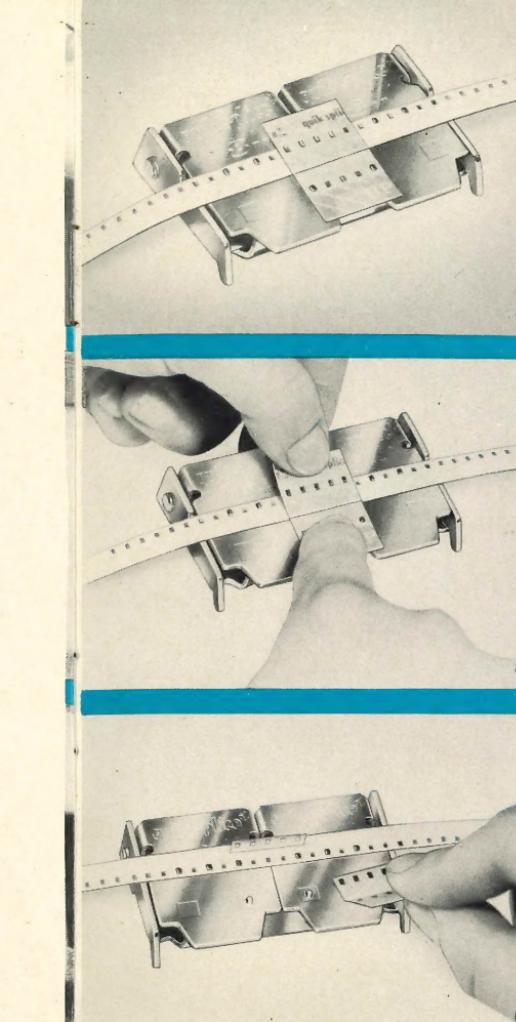
If you purchased the Lumina 370, your projector comes equipped with a splicer. The splicer is stored in the clip inside the projector cover.

1. Lift lever "A" to approximately vertical position as shown above. Lay the first film strip over the other lever "B". The sprocket holes of the film should be pressed over the upper prongs with the sprocketless side of the film facing the bottom prongs.

2. Close lever "A" to a horizontal position. The film strip will be automatically cut exactly on the frame line.

NOTE: When splicing film make sure the emulsion (dull) side of both film strips face in the same direction.

3. Without removing the first film strip, raise lever "B" to a vertical position. Lay the second film strip on the closed lever "A". The sprocket holes of the film should be pressed over the upper prongs. Close lever "B" to a horizontal position. The two film strips are now cut and meet each other exactly at the frame line.



SPLICING FILM

4. Center the *RED* side of a *Quik Splice* patch over the lower prongs with (*the printed side facing up*).

5. Hold the *Quik Splice* patch down firmly on the prongs with your forefinger. Peel off the free half of the paper backing *slowly* allowing the gummed surface to contact the film. *Rub the bonded area*.

6. Remove film from the prongs, turn over on its other side and replace on prongs. Peel off the remaining paper backing *slowly* allowing the gummed surface to fold over and contact the film. *Rub the bonded area*.

Remove film from prongs and *rub both sides* of spliced area to insure a permanent bond.

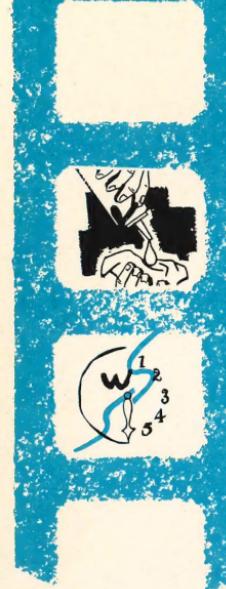
TIPS

FOR PROJECTING BETTER HOME MOVIES...

Much has been said about the art of taking home movies, but little about the art of showing them. At your next show, give your audience a break by showing your movies under the best possible conditions you can. Some of the following suggestions will help you hold their interest throughout your show.

PLANNING A SHOW...

Planning on having some friends in for a show soon? Then why not have your projector all set up—threaded with film and the lens focused on your screen. Then when your friends arrive, a flip of the control switch will start the reels rolling without any unnecessary delay. (If you don't want your movie equipment out in the open until you start the show, just note the position of your projector and screen. Then seclude them in the nearest closet. You can do this with your Auto-Load even after it is completely set up as it is exceptionally lightweight, compact and easy to carry.)



BRILLIANT ILLUMINATION...

While you're setting up, use a soft cloth and a drop of Bell & Howell Opti-Kleen to wipe off any dust or dirt which might have accumulated on the lens, condenser, or the film channel. This will give you the brilliant illumination you can expect from your Bell & Howell projector, helps protect your film, too.

FULL HALF-HOUR SHOW...

You can put on full half-hour shows if you splice your 50-foot rolls of film together on Bell & Howell 400-foot reels. Once your films are joined together in a story telling sequence, they'll be more fun to show. Keep several Bell & Howell 400-foot reels on hand. If you want to stop your show in the middle of a reel, or edit film in the projector, merely open the Loop Formers and carefully slide the film from under the lower sprocket and then from the upper sprocket.

PLAN AHEAD...

Lay your films out in the order you plan to show them. Once the show is started don't interrupt by rewinding. After your friends have left, this will only take a matter of seconds.

PROJECTION LAMPS...

Always keep a spare projection lamp handy, in case the one in your projector should burn out during your show. Projection lamps will on occasion burn out just as the common light bulb. Only use a (DCA) projection lamp in your Auto-Load 363. If you purchased the Lumina 370, only use a (DLG) lamp.

KEEP YOUR FILM SAFE...

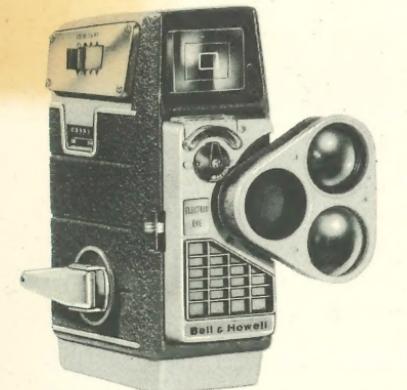
To protect your films, keep them in a cool dry place stored in Bell & Howell film cans. You'll have quick reference to any film you want to show, if you write your title on the film can cover.

MAKE YOUR NEXT SHOW EASY TO PUT ON...

Here's a hint on how to make your next show easier to set up. Before you pack your equipment away, make a mental note as to where your projector and screen were placed when your picture filled the screen. Then when you set up for your next show just place the projector and screen in the same positions and your picture will fill the screen again.

393 ELECTRIC EYE CAMERA

Revolutionary automatic 8mm movie camera in single lens and turret models. Sets lens for you as you shoot. Just sight through the giant picture-window view-finder—press a button for perfect movies every time.



THE INFALLIBLE ELECTRIC EYE STILL CAMERA

This amazing new Electric Eye still camera sets itself for you automatically . . . instantly . . . continuously. All you do is point it and press the button. You'll take 12 sharp, brilliant color slides—or exciting full-color prints—or crisp, black-and-white size "127" snapshots your very first try.

EXPLORER AUTOMATIC SLIDE PROJECTOR

Here's the world's most advanced slide projector. Just slip in a tray and the projector shows, changes, and advances 40 slides quickly, quietly, and automatically. This remarkable projector is ultra-modern in every respect—years ahead in styling and performance. Shows 2x2, Bantam and superslides.





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GUARANTEE

This new Bell & Howell product is guaranteed to be free from imperfections in both material and workmanship for one year from date of original purchase. Should any part of this equipment be defective, it will be replaced or repaired free of charge (except for transportation), providing the equipment has been operated according to the instructions accompanying it.

No liability is assumed for film which is damaged or is unsatisfactory for any reason and no liability is assumed for interruptions in operation of equipment. This guarantee is void:

- a) If equipment has been damaged by accident or mishandling;
- b) If equipment has been serviced by other than Bell & Howell approved service stations;*
- c) If adaptations or accessories other than Bell & Howell have been made or attached.

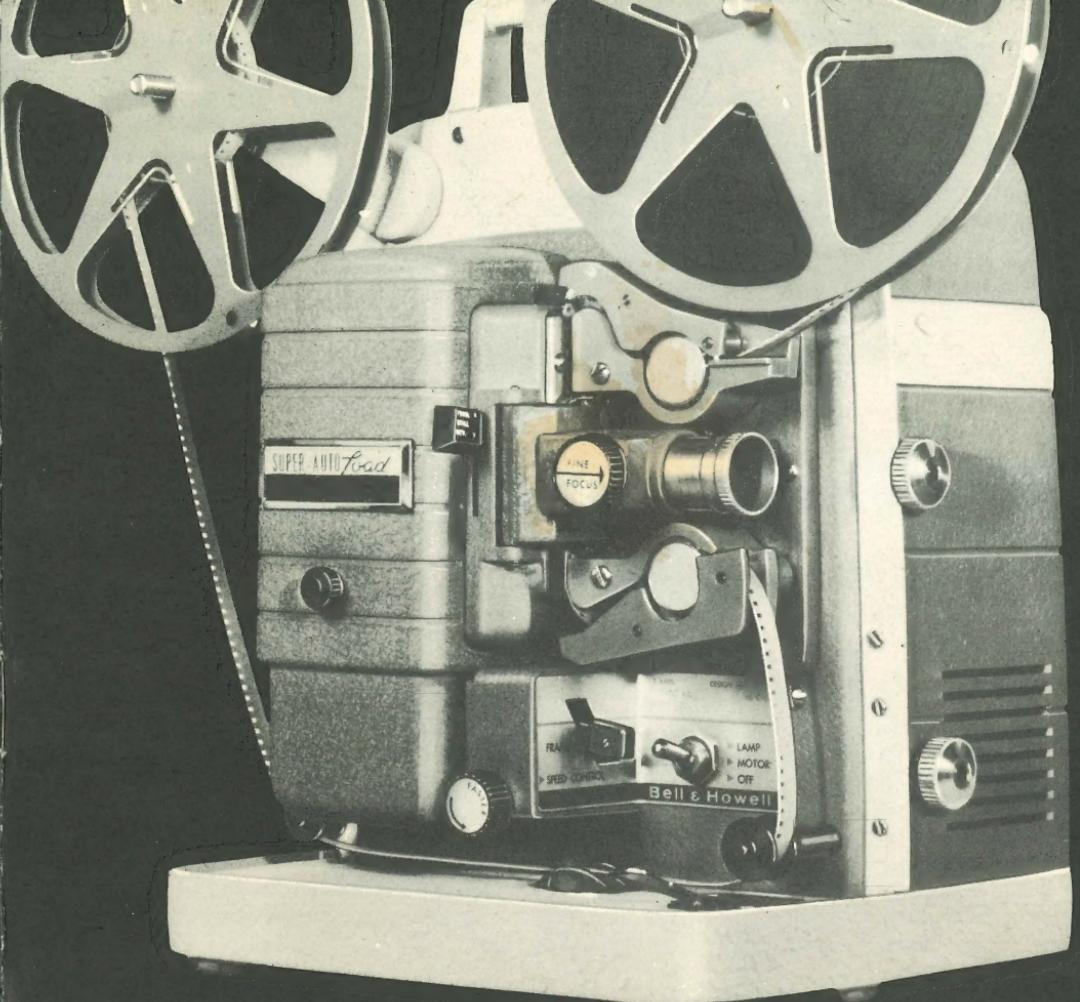
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*Location of nearest approved service station will be furnished on request.

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